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## Abstract

## Turbine engine

5 The invention relates to a turbine engine with a turbine shaft which has a number of disks arranged adjacent to one another, to each of which a number of moving blades are fastened in a star arrangement, wherein these moving blades can be cooled with at least one coolant which flows through coolant channels

10 inside the moving blades. The object of this invention is to increase the efficiency at an economically justifiable cost and at the same time to lower the operating risk and to increase the service life of the elements and the reliability of the turbine engine. To this end, coolant is supplied to and

15 discharged from the moving blades via a simple and reliable coolant feeder system which is structured in a radial multilayered fashion between two adjacent disks.